IN THE CLAIMS

1-8 (Cancelled)

9 (Currently Amended): A method for removing fructosyl group from a fructosylated peptide or a fructosylated protein, comprising:

reacting the fructosylated peptide or protein with ~~an isolated enzyme obtainable from a plant~~ a crude aqueous extract from *Pyrus pyrifolia*, *Vitis vinifera*, or *Daucus carota* that removes ~~fructose~~ fructosyl from a peptide or polypeptide without removing an amino acid residue of said peptide or polypeptide.

10 (Currently Amended): The method of Claim 9, wherein said enzyme is obtained from *Pyrus pyrifolia* ~~may be obtained from a plant belonging to the family *Rosaceae*~~.

11 (Currently Amended): The method of Claim 9, wherein said enzyme is obtained from *Vitis vinifera* ~~may be obtained from a plant belonging to the family *Rosaceae* selected from the group consisting of *Malus*, *Pyrus pyrifolia*, *Prunus persica* and *Prunus mume*~~.

12 (Currently Amended): The method of Claim 9, wherein said enzyme is obtained from *Daucus carota* ~~may be obtained from a plant belonging to the family *Vitaceae*~~.

13.-15. (Cancelled)

16 (Previously Presented): The method of Claim 9, wherein said enzyme removes an N-terminal fructosyl group from a fructosylated peptide or fructosylated protein comprising Val-His (SEQ ID NO: 1).

17 (Previously Presented): The method of Claim 9, wherein said enzyme removes an N-terminal fructosyl group from a fructosylated peptide or fructosylated protein comprising Val-His-Leu (SEQ ID NO: 2).

18 (Previously Presented): The method of Claim 9, wherein said enzyme removes an N-terminal fructosyl group from a fructosylated peptide or fructosylated protein comprising Val-His-Leu-Thr (SEQ ID NO: 3).

19 (Previously Presented): The method of Claim 9, wherein said enzyme removes an N-terminal fructosyl group from a fructosylated peptide or fructosylated protein comprising Val-His-Leu-Thr-Pro (SEQ ID NO: 4).

20 (Currently Amended): The method of Claim 9, wherein said enzyme removes an N-terminal fructosyl group from a fructosylated peptide or fructosylated protein comprising ~~Val-His-His-Leu-Thr-Pro~~ Val-His-Leu-Thr-Pro-Glu (SEQ ID NO: 5).

21 (Previously Presented): The method of Claim 9, wherein the fructosylated protein is hemoglobin A1c.

22 (Previously Presented): The method of Claim 9, further comprising detecting at least one reaction product of removal of a fructosyl group from said fructosylated peptide or fructosylated protein.

23 (Previously Presented): The method of Claim 22, comprising detecting the reaction product hydrogen peroxide.

24 (Previously Presented): The method of Claim 22, comprising detecting the reaction product glucosone.

25 (Previously Presented): The method of Claim 22, comprising detecting the reaction product glucose.

26 (Previously Presented): The method of Claim 22, comprising detecting the reaction product defructosyl peptide.

27.-30. (Cancelled)

31 (New): A method for removing fructosyl group from a fructosylated peptide or a fructosylated protein, comprising:

reacting the fructosylated peptide or protein with an aqueous extract from *Pyrus pyrifolia*, *Vitis vinifera*, or *Daucus carota* that removes fructosyl from a peptide or polypeptide without removing an amino acid residue of said peptide or polypeptide.